

Appln. No. 10/038,590
Amendment dated Jan. 12, 2006
Reply to Office Action of Sep. 12, 2005
Docket No. BOC9-2002-0099 (223)

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A visual tool for creating an extended Java applications programming interface for integrated networks (JAIN) compliant telecommunication service component for use in a service logic execution environment (SLEE), comprising:

a first visual smartguide for creating JAIN-compliant service building blocks configured to receive and transmit telecommunication events to and from at least one JAIN configured protocol stack through a JAIN-compliant signaling layer, each said JAIN-compliant service building block comprising at least one telecommunication event handler for handling specific telecommunication events received from an event routing bus in said SLEE, wherein said SLEE is configured for compatibility with a JAVA API for Integrated Networks (JAIN) specification for communicating with said JAIN-compliant service building blocks; [[and,]]

a second visual JAIN-compliant smartguide for creating deployment descriptors for said created JAIN-compliant service building blocks, each said deployment descriptor comprising a service description describing parameters for loading an instance of a JAIN-compliant service building block in said SLEE, and a list of supported telecommunication events which [[can be]] are handled in the SLEE by an associated JAIN-compliant service building block; and,

a visual composition interface through which visual representations of said JAIN-compliant service building blocks [[can be]] are arranged to form [[the]] an extended JAIN-compliant telecommunication service component, wherein said extended JAIN-compliant telecommunication service component configures itself using a deployment descriptor upon identifying underlying resources that are available when the JAIN-

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compliant telecommunication service component is unaware of the underlying JAIN protocol resources within the SLEE.

2. (Currently Amended) The visual tool of claim 1, wherein said JAIN-compliant service building blocks are JAIN-compliant software components for deployment in said SLEE.

3. (Original) The visual tool of claim 2, wherein said software components are Java beans.

4. (Currently Amended) The visual tool of claim 1, wherein said first visual smartguide comprises at least one selectable procedure for generating a plurality of JAIN telecommunication utility classes for inclusion in a JAIN-compliant service building block.

5. (Currently Amended) The visual tool of claim 1, wherein said first visual smartguide comprises a database of JAIN-compliant telecommunication event handlers from which said at least one JAIN-compliant telecommunication event handler [[can be]] is selected for addition to said JAIN-compliant service building block.

6. (Currently Amended) The visual tool of claim 1, wherein said second visual smartguide comprises a database of JAIN-compliant telecommunication event handlers from which a list of supported JAIN telecommunication events for inclusion in said deployment descriptor [[can be]] is constructed.

7. (Currently Amended) The visual tool of claim 1, further comprising a service container which encapsulates the JAIN-compliant service component.

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8. (Original) The visual tool of claim 7, wherein said service container further comprises meta-information for exposing container characteristics for said service container.

9. (Original) The visual tool of claim 8, wherein said meta-information comprises a plurality of Java Native Definition Interface (JNDI) environment entries.

10. (Currently Amended) A method for visually generating [[a]] an extended JAIN-compliant telecommunication service component for use in a service logic execution environment (SLEE), said method comprising:

specifying at least one JAIN-compliant service building block, said specification comprising visually selecting a plurality of JAIN-compliant telecommunication event handlers for inclusion in said at least one JAIN-compliant service building block;

exporting said at least one JAIN-compliant service building block, said exporting step producing a deployment descriptor which describes telecommunication events for which said at least one JAIN-compliant service building block has been configured to handle;

visually arranging said at least one JAIN-compliant service block, said arrangement forming the extended JAIN-compliant telecommunication service component; and,

configuring the extended JAIN-compliant telecommunication service component produced by said visual arrangement for insertion in a service logic execution environment (SLEE) in an advanced intelligent network,

wherein said extended JAIN-compliant telecommunication service component configures itself using a deployment descriptor upon identifying underlying resources that are available when the JAIN-compliant telecommunication service component is unaware of the underlying JAIN protocol resources within the SLEE.

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11. (Currently Amended) The method of claim 10, further comprising the step of encapsulating the extended JAIN-compliant telecommunication service component in a service application container.

12. (Currently Amended) A machine readable storage, having stored thereon a computer program for visually generating [[a]] an extended JAIN-compliant telecommunication service component, said computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

specifying at least one JAIN-compliant service building block, said specification comprising visually selecting a plurality of JAIN-compliant telecommunication event handlers for inclusion in said at least one JAIN-compliant service building block;

exporting said at least one JAIN-compliant service building block, said exporting step producing a deployment descriptor which describes telecommunication events for which said at least one JAIN-compliant service building block has been configured to handle;

visually arranging said at least one JAIN-compliant service block, said arrangement forming the extended JAIN-compliant telecommunication service component; and,

configuring the extended JAIN-compliant telecommunication service component produced by said visual arrangement for insertion in a service logic execution environment (SLEE) in an advanced intelligent network, wherein said extended JAIN-compliant telecommunication service component configures itself using a deployment descriptor upon identifying underlying resources that are available when the JAIN-compliant telecommunication service component is unaware of the underlying JAIN protocol resources within the SLEE.

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13. (Currently Amended) The machine readable storage of claim 12, further comprising the step of encapsulating the extended JAIN-compliant telecommunication service component in a service application container.